

DECEMBER 5.

MR. ARTHUR ERWIN BROWN, Vice-President, in the Chair.

Fifty-five persons present.

The deaths of the following correspondents were reported: Frederick W. Hutton, October 27, 1905; J. Burden-Sanderson, November 3, 1905; Gustave Dewalque, November 3, 1905.

The Publication Committee reported that papers under the following titles had been offered for publication since the last meeting:

"Coon Mountain and Its Crater." By Daniel Moreau Barringer. (December 5.)

"Coon Butte, Arizona." By Benjamin Chew Tilghman. (December 5.)

Coon Mountain and its Crater.—DR. DIXON announced that Mr. Daniel Moreau Barringer and Mr. Benjamin Chew Tilghman, members of the Academy, had notified him of their discovery that the crater of Coon Mountain or Coon Butte, in northern Arizona, twelve miles southeast of Cañon Diablo Station on the Atchison, Topeka and Santa Fé Railway, is an impact crater and not a crater produced by a steam explosion, as has been supposed since the examination made of it by members of the United States Geological Survey. They have proved, by a large amount of development work, according to their statements, that the large crater and elevation known as Coon Mountain is the result of a collision with the earth of a very large meteorite, or possibly a small asteroid, fragments of which are well known to the scientific world by the name of the Cañon Diablo siderites. Their development work, consisting of cuts, shafts and boreholes, has established the following facts:

First. That the formation of the crater and the deposition of the meteoric material were simultaneous.

Second. That meteoric material has been found five hundred feet below the surface of the center of the crater; and,

Third. That sandstone supposed to be in place exists less than one thousand feet below the surface of the center of the crater.

Mr. Barringer and Mr. Tilghman have presented to the Academy for publication two comprehensive papers in which they set forth in full their reasons for the above statements.

Dr. Henry Skinner made a communication on his collecting trip of last summer to the Huachuca Mountains, Arizona. (No abstract.)